

X-16397.ST25.txt
SEQUENCE LISTING

<110> Eli Lilly and Company
<120> Anti-Myostatin Antibodies
<130> X-16397
<140> US 60/559,621
<141> 2004-04-05
<150> US 60/555,456
<151> 2004-03-24
<160> 56
<170> PatentIn version 3.3
<210> 1
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Val Ala Gly Pro Val Asp Leu Asn Glu Asn Ser Glu Gln Lys Glu Asn
20 25 30

Val Glu Lys Glu Gly Leu Cys Asn Ala Cys Thr Trp Arg Gln Asn Thr
35 40 45

Lys Ser Ser Arg Ile Glu Ala Ile Lys Ile Gln Ile Leu Ser Lys Leu
50 55 60

Arg Leu Glu Thr Ala Pro Asn Ile Ser Lys Asp Val Ile Arg Gln Leu
65 70 75 80

Leu Pro Lys Ala Pro Pro Leu Arg Glu Leu Ile Asp Gln Tyr Asp Val
85 90 95

Gln Arg Asp Asp Ser Ser Asp Gly Ser Leu Glu Asp Asp Asp Tyr His
100 105 110

Ala Thr Thr Glu Thr Ile Ile Thr Met Pro Thr Glu Ser Asp Phe Leu
115 120 125

Met Gln Val Asp Gly Lys Pro Lys Cys Cys Phe Phe Lys Phe Ser Ser
130 135 140

Lys Ile Gln Tyr Asn Lys Val Val Lys Ala Gln Leu Trp Ile Tyr Leu
145 150 155 160

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Arg Pro Val Glu Thr Pro Thr Thr Val Phe Val Gln Ile Leu Arg Leu
165 170 175

Ile Lys Pro Met Lys Asp Gly Thr Arg Tyr Thr Gly Ile Arg Ser Leu
180 185 190

Lys Leu Asp Met Asn Pro Gly Thr Gly Ile Trp Gln Ser Ile Asp Val
195 200 205

Lys Thr Val Leu Gln Asn Trp Leu Lys Gln Pro Glu Ser Asn Leu Gly
210 215 220

Ile Glu Ile Lys Ala Leu Asp Glu Asn Gly His Asp Leu Ala Val Thr
225 230 235 240

Phe Pro Gly Pro Gly Glu Asp Gly Leu Asn Pro Phe Leu Glu Val Lys
245 250 255

Val Thr Asp Thr Pro Lys Arg Ser Arg Arg Asp Phe Gly Leu Asp Cys
260 265 270

Asp Glu His Ser Thr Glu Ser Arg Cys Cys Arg Tyr Pro Leu Thr Val
275 280 285

Asp Phe Glu Ala Phe Gly Trp Asp Trp Ile Ile Ala Pro Lys Arg Tyr
290 295 300

Lys Ala Asn Tyr Cys Ser Gly Glu Cys Glu Phe Val Phe Leu Gln Lys
305 310 315 320

Tyr Pro His Thr His Leu Val His Gln Ala Asn Pro Arg Gly Ser Ala
325 330 335

Gly Pro Cys Cys Thr Pro Thr Lys Met Ser Pro Ile Asn Met Leu Tyr
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Val Asp Arg Cys Gly Cys Ser
370 375

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<212> PRT

<213> Homo sapiens

<400> 2

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Asp Phe Gly Leu Asp Cys Asp Glu His Ser Thr Glu Ser Arg Cys Cys
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Arg Tyr Pro Leu Thr Val Asp Phe Glu Ala Phe Gly Trp Asp Trp Ile
20 25 30

Ile Ala Pro Lys Arg Tyr Lys Ala Asn Tyr Cys Ser Gly Glu Cys Glu
35 40 45

Phe Val Phe Leu Gln Lys Tyr Pro His Thr His Leu Val His Gln Ala
50 55 60

Asn Pro Arg Gly Ser Ala Gly Pro Cys Cys Thr Pro Thr Lys Met Ser
65 70 75 80

Pro Ile Asn Met Leu Tyr Phe Asn Gly Lys Glu Gln Ile Ile Tyr Gly
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His Trp Tyr Gln Gln Lys Pro Gly Thr Ser Pro Lys Arg Trp Ile Tyr
35 40 45

Asp Thr Ser Lys Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Ser Met Glu Ala Glu
65 70 75 80

Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Trp Tyr Ser Asn Pro Leu Thr
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X-16397.ST25.txt

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His Trp Tyr Gln Gln Lys Ser Gly Thr Ser Pro Lys Arg Trp Ile Tyr
35 40 45

Asp Thr Ser Lys Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Ser Met Glu Ala Glu
65 70 75 80

Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Trp Ser Ser Asn Pro Leu Thr
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Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys Arg Ala Asp
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His Trp Tyr Gln Gln Lys Ser Gly Thr Ser Pro Lys Arg Trp Ile Tyr
35 40 45

Asp Thr Ser Lys Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Ser Met Glu Ala Glu
65 70 75 80

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His Trp Tyr Gln Gln Lys Ser Gly Thr Ser Pro Lys Arg Trp Ile Tyr
35 40 45

Asp Thr Ser Lys Leu Ala Ser Gly Val Pro Val Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Ser Met Glu Ala Glu
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35 40 45

Asp Thr Ser Lys Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Ser Met Glu Ala Glu
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His Trp Tyr Gln Gln Lys Pro Gly Thr Ser Pro Lys Arg Trp Ile Tyr			
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Asp Thr Ser Lys Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser			
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Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Ser Met Glu Ala Glu			
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Glu Lys Val Thr Met Thr Cys Ser Ala Ser Ser Ser Val Tyr Tyr Met			
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His Trp Tyr Gln Gln Arg Ser Gly Ala Ser Pro Lys Arg Trp Ile Tyr			
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Asp Thr Ser Lys Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Ser Met Glu Ala Glu
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Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Trp Thr Tyr Asn Pro Leu Thr
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Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys Arg Ala Asp
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<213> Mus sp.

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Glu Lys Val Thr Met Thr Cys Ser Ala Ser Ser Ser Val Ser Tyr Met
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His Trp Tyr Gln Gln Lys Pro Gly Thr Ser Pro Lys Arg Trp Ile Tyr
35 40 45

Asp Thr Ser Lys Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Ser Met Glu Ala Glu
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20

25

30

His Trp Tyr Gln Gln Lys Ser Gly Thr Ser Pro Lys Arg Trp Ile Tyr
35 40 45

Asp Thr Ser Lys Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Ser Met Glu Ala Glu
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Gly Met Ser Val Ser Trp Ile Arg Gln Ser Ser Gly Lys Gly Leu Glu
35 40 45

Trp Leu Ala His Ile Tyr Trp Asp Asp Asp Lys Arg Tyr Asn Pro Ser
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Leu Arg Asn Arg Leu Thr Ile Ser Lys Asp Thr Leu Arg Asn Gln Val
65 70 75 80

Phe Leu Lys Ile Thr Ser Val Gly Thr Ala Asp Thr Ala Thr Tyr Tyr
85 90 95

Cys Ala Arg Arg Ala Ile Thr Thr Val Ile Gly Gly Gly Thr Met Asp
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<212> PRT
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Thr Leu Ser Leu Thr Cys Ser Phe Ser Gly Phe Ser Leu Ser Thr Ser
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35 40 45

Trp Leu Ala His Ile Tyr Trp Asp Asp Asp Lys Arg Tyr Asn Pro Ser
50 55 60

Leu Arg Ser Arg Leu Thr Ile Ser Lys Asp Thr Ser Arg Asn Gln Val
65 70 75 80

Phe Leu Lys Ile Thr Ser Val Asp Thr Ala Asp Thr Ala Thr Tyr Tyr
85 90 95

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Tyr Trp Gly Gln Gly Thr Ser Val Thr Val Ser Ser
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Met Ile Val Ser Trp Ile Arg Gln Ser Ser Gly Arg Gly Leu Glu Trp
35 40 45

Leu Ala His Ile Tyr Trp Asp Asp Asp Lys Arg Tyr Asn Pro Ser Leu
50 55 60

Arg Asn Arg Leu Thr Ile Ser Lys Asp Thr Leu Arg Asn Gln Val Phe
65 70 75 80

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Leu Trp Ile Ser Ser Val Gly Thr Ala Asp Thr Ala Thr Tyr Tyr Cys
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Ala Arg Arg Ala Ile Thr Thr Val Ile Gly Gly Gly Thr Met Asp Tyr
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Trp Gly Gln Gly Thr Ser Val Thr Val Ser Ser
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Thr Leu Ser Leu Thr Cys Ser Val Ser Gly Phe Ser Leu Ser Thr Ser
20 25 30

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35 40 45

Trp Leu Ala His Ile Tyr Trp Asp Asp Asp Lys Arg Tyr Asn Pro Ser
50 55 60

Leu Lys Ser Arg Leu Thr Ile Ser Lys Asp Thr Ser Arg Asn Gln Val
65 70 75 80

Phe Leu Lys Ile Thr Ser Val Asp Thr Ala Asp Thr Ala Thr Tyr Tyr
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Tyr Trp Gly Gln Gly Thr Ser Val Thr Val Ser Ser
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X-16397.ST25.txt

Gly Met Ser Val Ser Trp Ile Arg Gln Ser Ser Gly Lys Gly Leu Glu
35 40 45

Trp Leu Ala His Ile Tyr Trp Asp Asp Asp Lys Arg Tyr Asn Pro Ser
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Leu Arg Asn Arg Leu Thr Ile Ser Lys Asp Thr Leu Arg Asn Gln Val
65 70 75 80

Phe Leu Lys Ile Thr Ser Val Gly Thr Ala Asp Thr Ala Thr Tyr Tyr
85 90 95

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35 40 45

Trp Leu Ala His Ile Tyr Trp Asp Asp Asp Glu Arg Tyr Asn Pro Ser
50 55 60

Leu Arg Asn Arg Leu Thr Ile Ser Lys Asp Thr Leu Arg Asn Gln Val
65 70 75 80

Phe Leu Lys Ile Thr Ser Val Gly Thr Ala Asp Thr Ala Thr Tyr Tyr
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Gln Gln Trp Thr Tyr Asn Pro Leu Thr
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His Ile Tyr Trp Asp Asp Asp Lys Arg Tyr Asn Pro Ser Leu Lys Ser
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<223> X is Ser, Thr, His, Tyr or Asn

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<213> Homo sapiens

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Ile Ala Pro Lys Arg Tyr Lys Ala Asn Tyr Cys Ser Gly Xaa Cys Glu
35 40 45

Xaa Xaa Phe Xaa Gln Lys Tyr Pro His Thr His Leu Val Xaa Gln Ala
50 55 60

X-16397.ST25.txt

Asn Pro Arg Gly Ser Ala Gly Pro Cys Cys Thr Pro Thr Lys Met Ser
65 70 75 80

Pro Ile Asn Met Leu Tyr Phe Asn Xaa Lys Xaa Gln Ile Ile Tyr Gly
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Lys Ile Pro Xaa Met Val Val Asp Arg Cys Gly Cys Ser
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<212> PRT

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20 25 30

Ile Ala Pro Lys Arg Tyr Lys Ala Asn Tyr Cys Ser Gly Gln Cys Glu
35 40 45

Tyr Met Phe Met Gln Lys Tyr Pro His Thr His Leu Val Gln Gln Ala
50 55 60

Asn Pro Arg Gly Ser Ala Gly Pro Cys Cys Thr Pro Thr Lys Met Ser
65 70 75 80

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Lys Ile Pro Gly Met Val Val Asp Arg Cys Gly Cys Ser
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<223> X is Lys or Arg

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ttcagtggtca gtgggtctgg gacctcttac tctctcacaa tcagcagcat ggaggctgaa 240
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327

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tataaccat ccctgaggaa ccgactcaca atctccaagg ataccttgag aaaccaggtc 240
ttcctcaaga tcaccagtgt gggcaactgca gatactgcc aatactactg tgctcgaaga 300
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Pro His Thr His Leu Val His Gln Ala
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x-16397.ST25.txt

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Gly Phe Ser Leu Arg Lys Val Gly Ser Ser Val Ser
1 5 10

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Gly Phe Ser Leu Arg Lys Leu Gly Ser Ser Val Ser
1 5 10

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